Summary Sheet

Applicant:	**River Partners**	**BMS No: 2010FPCP0021**
Project Name:	**Floodplain Expansion and Ecosystem Restoration at Dos Rios Ranch**	
County:	Stanislaus	
Location:	Lower Tuolumne River Parkway, adjacent to the San Joaquin River National Wildlife Refuge at the confluence of Tuolumne and San Joaquin rivers.	
Problem to Be Fixed:	About seven square miles of adjacent farms are flooded during frequent, 5 to 25 year and greater events, costing millions of dollars in damages.	
Project Description:	Second phase of a multi-phase project that includes flood protection and floodplain restoration on Dos Rios Ranch, as follows: • The acquisition (Phase 1) precluded development and provided opportunities to enhance transitory floodwater storage in tandem with wildlife habitat improvements. The requisite habitat improvements were deferred to Phase 2. • Proposed project (Phase 2) will modify berms along the Tuolumne and San Joaquin rivers and restore frequent floodplain inundation and transitory floodwater storage to 948-acres of historic floodplain. It will restore riparian habitats and enable natural river processes of scour and sediment deposition along six river miles. It includes a hydraulic and hydrologic study to gain additional flood benefits in Phase 3. • Frequency of inundation along the Tuolumne River will be approximately every 2 to 3 years and occasionally several times per year occurring at 6,000 cfs, down from the current 8,200 cfs. • Frequency of inundation along the San Joaquin River will be approximately every 5 to 7 years and occasionally several times per year occurring at 11,000 cfs, down from current 16,000 cfs.	
Flood Benefits:	Phase 2 flood benefits include: • Reconnection of 948 acres of floodplain to the Tuolumne and San Joaquin rivers creating sediment deposition opportunities • Lowered flow levels needed to inundate the floodplain at Dos Rios Ranch by modifying berms around the property perimeter. • Creation of approximately 3,000 ac-ft of transitory floodwater storage capacity • Increased operational flexibility for Don Pedro Dam, and increased channel capacity downstream • Increased regional floodplain management flexibility by improving habitat that relates synergistically to habitat on nearby properties (e.g. San Joaquin River National Wildlife Refuge) • Potential reduction of local Reclamation District's long-term maintenance costs for 948 acres of floodway • Reduction of adjacent farm damages by estimated $35M/flood • Reduced likelihood of roadway and other facility replacement costs - $60M+.	
Wildlife Benefits:	• Restoration of over 1450 acres of riparian habitat. • Improved quality of the existing habitat linkages and migratory	

	corridors in the region by restoring the biological processes of floodplain ecology to support numerous avian, aquatic and terrestrial-obligate species including habitat for sensitive species such as riparian brush rabbit, Central Valley Steelhead and fall-run Chinook salmon.
Agricultural Benefits:	Adjacent lands will flood less frequently
Total Project Cost:	$6,386,106
FCP Project Cost	$2,249,431
Assembly District No. and Representative Name:	Assembly District 26: Bill Berryhill
Senate District No. and Representative Name:	Senate District 12: Anthony Cannella